

ARGONNE NATIONAL LABORATORY

INTRA-LABORATORY MEMO

January 23, 2004

TO: A. Boron, J. Carwardine, R. Emerson, M. Fagan, N. Friedman, J. Hawkins, P. McNamara, V. Nguyen, J. Servino, S. Ross

SUBJECT: Generation-3 Meeting Minutes for January 23, 2004

Absent: J. Carwardine, N. Friedman, P. McNamara

- Meeting was called to go over all open issues and any concerns that members might have.
 - Full Design Review will be the first week in March 04.
- Mohan Ramanathan has given Roy the corrected AutoCAD drawings from the beamlines.
 - These will be emailed to the members of the group and put on the Gen-3 shared drive.
- The following items have been posted:
 - Statement of Work
 - Preliminary Documents
 - Final requirements
- Anne Boron needs the station layouts.
- Documents complete/incomplete:
 - PSS System Requirements are complete.
 - Functional Description Documents will be done next week.
 - Beam Specifications are done
 - Interface Control Document is still being worked on.
 - John Servino will be doing the I/O for the test system cart.
 - Roy will be doing the mechanical sketches for the cart.
- Electrical Design and Layout Drawings cannot be made final yet, however Karen Walker was asked to assign a document control number to them.
- Roy will be the Station Control Electrical Design and Layout documents.
- Front-End Simulator Test Cart:
 - CRT and Rack of I/O still needed
 - A detailed schematic is in the work, not complete.
 - Karen can assign the drawing number to it.
 - This will all be part of the FERDP.

- Lab Prototype System (Needs to be done, this is equivalent of the beamline)
 - Software design
 - Hardware design
 - Validation Procedure
 - Test
- Lab Prototype is going on the floor.
- 2 Racks will be in the lab
 - One should mimic the one from on the mezzanine; the other should mimic the three stations on the floor.
- We need to build in the lab:
 - Lab Prototype
 - Test Cart
 - Simulator
 - Will need hardware, software code, and paperwork for all three systems.
- Tasks that have been assigned:
 - Mezzanine – Ross
 - Beamline Drawings – Roy
 - Floor Drawings – Roy
 - User Requirements – Anne
 - Code Development – John S.
 - Code Development A & B – Van
 - Epic – Roy
 - Validation – Roy
 - Lab Test – Anne and Van
 - Commissioning – Tech.
- There are nine documents that need to be assigned, some were decided as follows:
 - Beamline Simulator and Test Cart (Anne, Van and John S.)
 - Simulator list and functionality (see John S.)
 - Hardware specifications (Mike)
- Karen and Roy will meet next week to discuss drawings.
- Next week:
 - Beamline Safety Review
 - Need to have reference point Version 1 vs. Version 3.
 - Discuss Mode Shutter
- Roy has insisted that there be no more meeting in the hallways and that any changes that need be should be brought the group in a formal meeting.

- Ken Beltcher will be helping the group.
- Roy will be working on the presentation material.